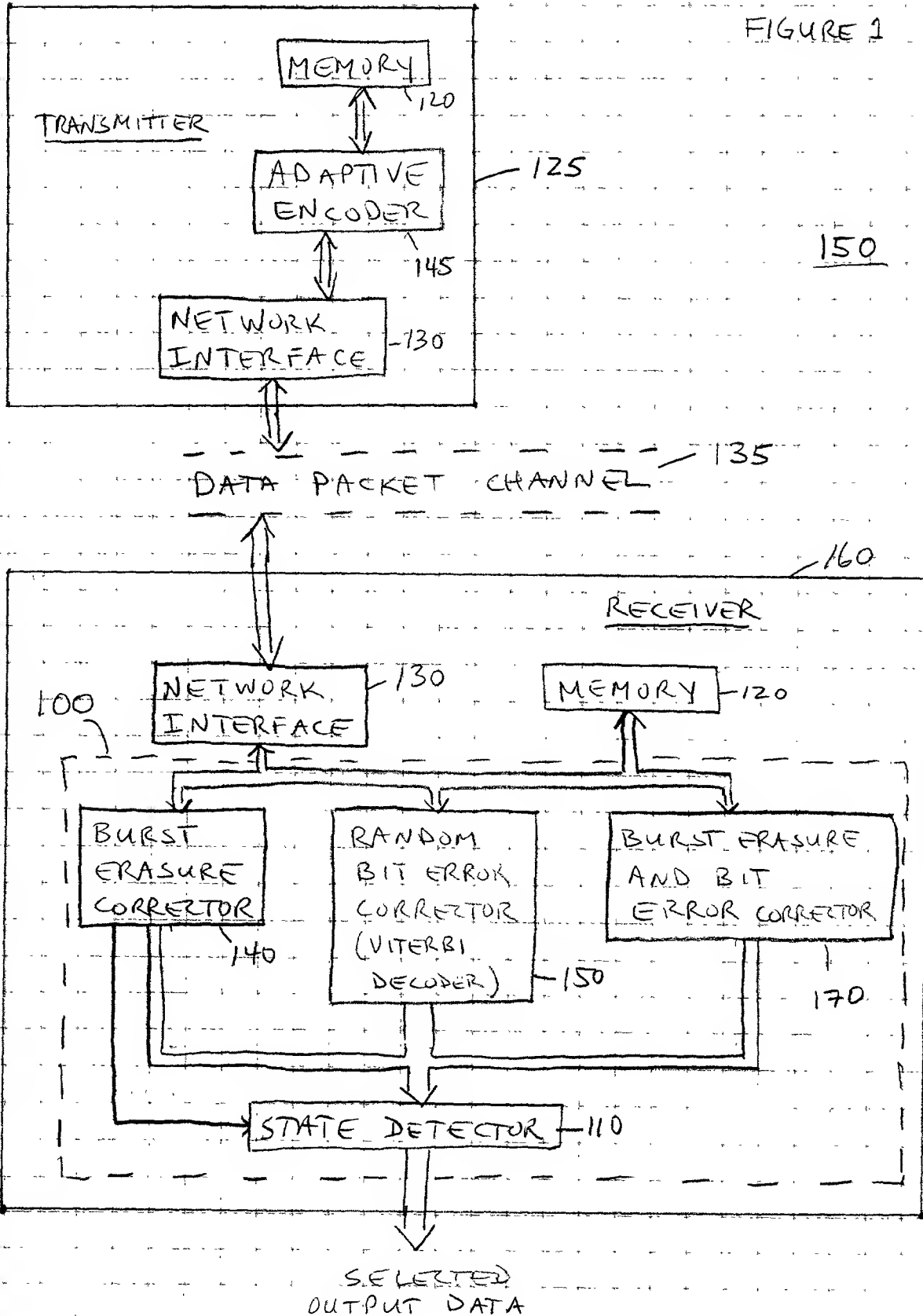


FIGURE 1



$\tilde{y}[i] =$	<table><tr><td>$x[i]$</td><td>\parallel</td><td>$x[i-3]$</td></tr></table>	$x[i]$	\parallel	$x[i-3]$
$x[i]$	\parallel	$x[i-3]$		
$\tilde{y}[i+1] =$	<table><tr><td>$x[i+1]$</td><td>\parallel</td><td>$x[i-2]$</td></tr></table>	$x[i+1]$	\parallel	$x[i-2]$
$x[i+1]$	\parallel	$x[i-2]$		
$\tilde{y}[i+2] =$	<table><tr><td>$x[i+2]$</td><td>\parallel</td><td>$x[i-1]$</td></tr></table>	$x[i+2]$	\parallel	$x[i-1]$
$x[i+2]$	\parallel	$x[i-1]$		
$\tilde{y}[i+3] =$	<table><tr><td>$x[i+3]$</td><td>\parallel</td><td>$x[i]$</td></tr></table>	$x[i+3]$	\parallel	$x[i]$
$x[i+3]$	\parallel	$x[i]$		
$\tilde{y}[i+4] =$	<table><tr><td>$x[i+4]$</td><td>\parallel</td><td>$x[i+1]$</td></tr></table>	$x[i+4]$	\parallel	$x[i+1]$
$x[i+4]$	\parallel	$x[i+1]$		
$\tilde{y}[i+5] =$	<table><tr><td>$x[i+5]$</td><td>\parallel</td><td>$x[i+2]$</td></tr></table>	$x[i+5]$	\parallel	$x[i+2]$
$x[i+5]$	\parallel	$x[i+2]$		
$\tilde{y}[i+6] =$	<table><tr><td>$x[i+6]$</td><td>\parallel</td><td>$x[i+3]$</td></tr></table>	$x[i+6]$	\parallel	$x[i+3]$
$x[i+6]$	\parallel	$x[i+3]$		
$\tilde{y}[i+7] =$	<table><tr><td>$x[i+7]$</td><td>\parallel</td><td>$x[i+4]$</td></tr></table>	$x[i+7]$	\parallel	$x[i+4]$
$x[i+7]$	\parallel	$x[i+4]$		

FIGURE 2

$\tilde{y}[0] =$	<table><tr><td>$x_0[0]$</td><td>$x_1[0]$</td><td>$x_2[0]$</td><td>\parallel</td><td>0</td></tr></table>	$x_0[0]$	$x_1[0]$	$x_2[0]$	\parallel	0
$x_0[0]$	$x_1[0]$	$x_2[0]$	\parallel	0		
$\tilde{y}[1] =$	<table><tr><td>$x_0[1]$</td><td>$x_1[1]$</td><td>$x_2[1]$</td><td>\parallel</td><td>$x_0[0]$</td></tr></table>	$x_0[1]$	$x_1[1]$	$x_2[1]$	\parallel	$x_0[0]$
$x_0[1]$	$x_1[1]$	$x_2[1]$	\parallel	$x_0[0]$		
$\tilde{y}[2] =$	<table><tr><td>$x_0[2]$</td><td>$x_1[2]$</td><td>$x_2[2]$</td><td>\parallel</td><td>$x_0[1] \oplus x_1[0]$</td></tr></table>	$x_0[2]$	$x_1[2]$	$x_2[2]$	\parallel	$x_0[1] \oplus x_1[0]$
$x_0[2]$	$x_1[2]$	$x_2[2]$	\parallel	$x_0[1] \oplus x_1[0]$		
$\tilde{y}[3] =$	<table><tr><td>$x_0[3]$</td><td>$x_1[3]$</td><td>$x_2[3]$</td><td>\parallel</td><td>$x_0[2] \oplus x_1[1] \oplus x_2[0]$</td></tr></table>	$x_0[3]$	$x_1[3]$	$x_2[3]$	\parallel	$x_0[2] \oplus x_1[1] \oplus x_2[0]$
$x_0[3]$	$x_1[3]$	$x_2[3]$	\parallel	$x_0[2] \oplus x_1[1] \oplus x_2[0]$		
$\tilde{y}[4] =$	<table><tr><td>$x_0[4]$</td><td>$x_1[4]$</td><td>$x_2[4]$</td><td>\parallel</td><td>$x_0[3] \oplus x_1[2] \oplus x_2[1]$</td></tr></table>	$x_0[4]$	$x_1[4]$	$x_2[4]$	\parallel	$x_0[3] \oplus x_1[2] \oplus x_2[1]$
$x_0[4]$	$x_1[4]$	$x_2[4]$	\parallel	$x_0[3] \oplus x_1[2] \oplus x_2[1]$		

FIGURE 3

symbol erased →
 decode $x_0[4]$ here →
 decode $x_1[4]$ here →
 decode $x_2[4]$ here →

$y[0] =$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$y[1] =$	$x_0[1]$	$x_1[1]$	$x_2[1]$	$x_0[0]$
$y[2] =$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[1] \oplus x_1[0]$
$y[3] =$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[2] \oplus x_1[1] \oplus x_2[0]$
$y[4] =$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[3] \oplus x_1[2] \oplus x_2[1]$
$y[5] =$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$x_0[4] \oplus x_1[3] \oplus x_2[2]$
$y[6] =$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$x_0[5] \oplus x_1[4] \oplus x_2[3]$
$y[7] =$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$x_0[6] \oplus x_1[5] \oplus x_2[4]$

Figure 4

symbol erased →
 symbol erased →
 recover $x_0[6]$ →
 recover $x_0[7]$ →
 recover $x_1[6]$ →
 recover $x_1[7]$ →
 recover $x_2[6]$ →
 recover $x_2[7]$ →

$y[0] =$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$y[1] =$	$x_0[1]$	$x_1[1]$	$x_2[1]$	0
$y[2] =$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[0]$
$y[3] =$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[1]$
$y[4] =$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[2] \oplus x_1[0]$
$y[5] =$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$x_0[3] \oplus x_1[1]$
$y[6] =$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$x_0[4] \oplus x_1[2] \oplus x_2[0]$
$y[7] =$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$x_0[5] \oplus x_1[3] \oplus x_2[1]$
$y[8] =$	$x_0[8]$	$x_1[8]$	$x_2[8]$	$x_0[6] \oplus x_1[4] \oplus x_2[2]$
$y[9] =$	$x_0[9]$	$x_1[9]$	$x_2[9]$	$x_0[7] \oplus x_1[5] \oplus x_2[3]$
$y[10] =$	$x_0[10]$	$x_1[10]$	$x_2[10]$	$x_0[8] \oplus x_1[6] \oplus x_2[4]$
$y[11] =$	$x_0[11]$	$x_1[11]$	$x_2[11]$	$x_0[9] \oplus x_1[7] \oplus x_2[5]$
$y[12] =$	$x_0[12]$	$x_1[12]$	$x_2[12]$	$x_0[10] \oplus x_1[8] \oplus x_2[6]$
$y[13] =$	$x_0[13]$	$x_1[13]$	$x_2[13]$	$x_0[11] \oplus x_1[9] \oplus x_2[7]$

Figure 5

	$\bar{y}[0] =$	<table><tr><td>$x_0[0]$</td><td>$x_1[0]$</td><td>$x_2[0]$</td><td>0</td></tr></table>	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$x_0[0]$	$x_1[0]$	$x_2[0]$	0			
	$\bar{y}[1] =$	<table><tr><td>$x_0[1]$</td><td>$x_1[1]$</td><td>$x_2[1]$</td><td>$P\{x_0[0], 0, 0, 0\}$</td></tr></table>	$x_0[1]$	$x_1[1]$	$x_2[1]$	$P\{x_0[0], 0, 0, 0\}$
$x_0[1]$	$x_1[1]$	$x_2[1]$	$P\{x_0[0], 0, 0, 0\}$			
	$\bar{y}[2] =$	<table><tr><td>$x_0[2]$</td><td>$x_1[2]$</td><td>$x_2[2]$</td><td>$P\{x_0[1], x_0[0], 0, 0\}$</td></tr></table>	$x_0[2]$	$x_1[2]$	$x_2[2]$	$P\{x_0[1], x_0[0], 0, 0\}$
$x_0[2]$	$x_1[2]$	$x_2[2]$	$P\{x_0[1], x_0[0], 0, 0\}$			
symbol erased \rightarrow	$\bar{y}[3] =$	<table><tr><td>$x_0[3]$</td><td>$x_1[3]$</td><td>$x_2[3]$</td><td>$P\{x_0[2], x_0[1], x_1[0], x_2[0]\}$</td></tr></table>	$x_0[3]$	$x_1[3]$	$x_2[3]$	$P\{x_0[2], x_0[1], x_1[0], x_2[0]\}$
$x_0[3]$	$x_1[3]$	$x_2[3]$	$P\{x_0[2], x_0[1], x_1[0], x_2[0]\}$			
symbol erased \rightarrow	$\bar{y}[4] =$	<table><tr><td>$x_0[4]$</td><td>$x_1[4]$</td><td>$x_2[4]$</td><td>$P\{x_0[3], x_0[2], x_1[1], x_2[1]\}$</td></tr></table>	$x_0[4]$	$x_1[4]$	$x_2[4]$	$P\{x_0[3], x_0[2], x_1[1], x_2[1]\}$
$x_0[4]$	$x_1[4]$	$x_2[4]$	$P\{x_0[3], x_0[2], x_1[1], x_2[1]\}$			
recover $x_0[3], x_0[4]$ here \rightarrow	$\bar{y}[5] =$	<table><tr><td>$x_0[5]$</td><td>$x_1[5]$</td><td>$x_2[5]$</td><td>$P\{x_0[4], x_0[3], x_1[2], x_2[2]\}$</td></tr></table>	$x_0[5]$	$x_1[5]$	$x_2[5]$	$P\{x_0[4], x_0[3], x_1[2], x_2[2]\}$
$x_0[5]$	$x_1[5]$	$x_2[5]$	$P\{x_0[4], x_0[3], x_1[2], x_2[2]\}$			
recover $x_1[3], x_2[3]$ here \rightarrow	$\bar{y}[6] =$	<table><tr><td>$x_0[6]$</td><td>$x_1[6]$</td><td>$x_2[6]$</td><td>$P\{x_0[5], x_0[4], x_1[3], x_2[3]\}$</td></tr></table>	$x_0[6]$	$x_1[6]$	$x_2[6]$	$P\{x_0[5], x_0[4], x_1[3], x_2[3]\}$
$x_0[6]$	$x_1[6]$	$x_2[6]$	$P\{x_0[5], x_0[4], x_1[3], x_2[3]\}$			
recover $x_1[4], x_2[4]$ here \rightarrow	$\bar{y}[7] =$	<table><tr><td>$x_0[7]$</td><td>$x_1[7]$</td><td>$x_2[7]$</td><td>$P\{x_0[6], x_0[5], x_1[4], x_2[4]\}$</td></tr></table>	$x_0[7]$	$x_1[7]$	$x_2[7]$	$P\{x_0[6], x_0[5], x_1[4], x_2[4]\}$
$x_0[7]$	$x_1[7]$	$x_2[7]$	$P\{x_0[6], x_0[5], x_1[4], x_2[4]\}$			

FIGURE 6

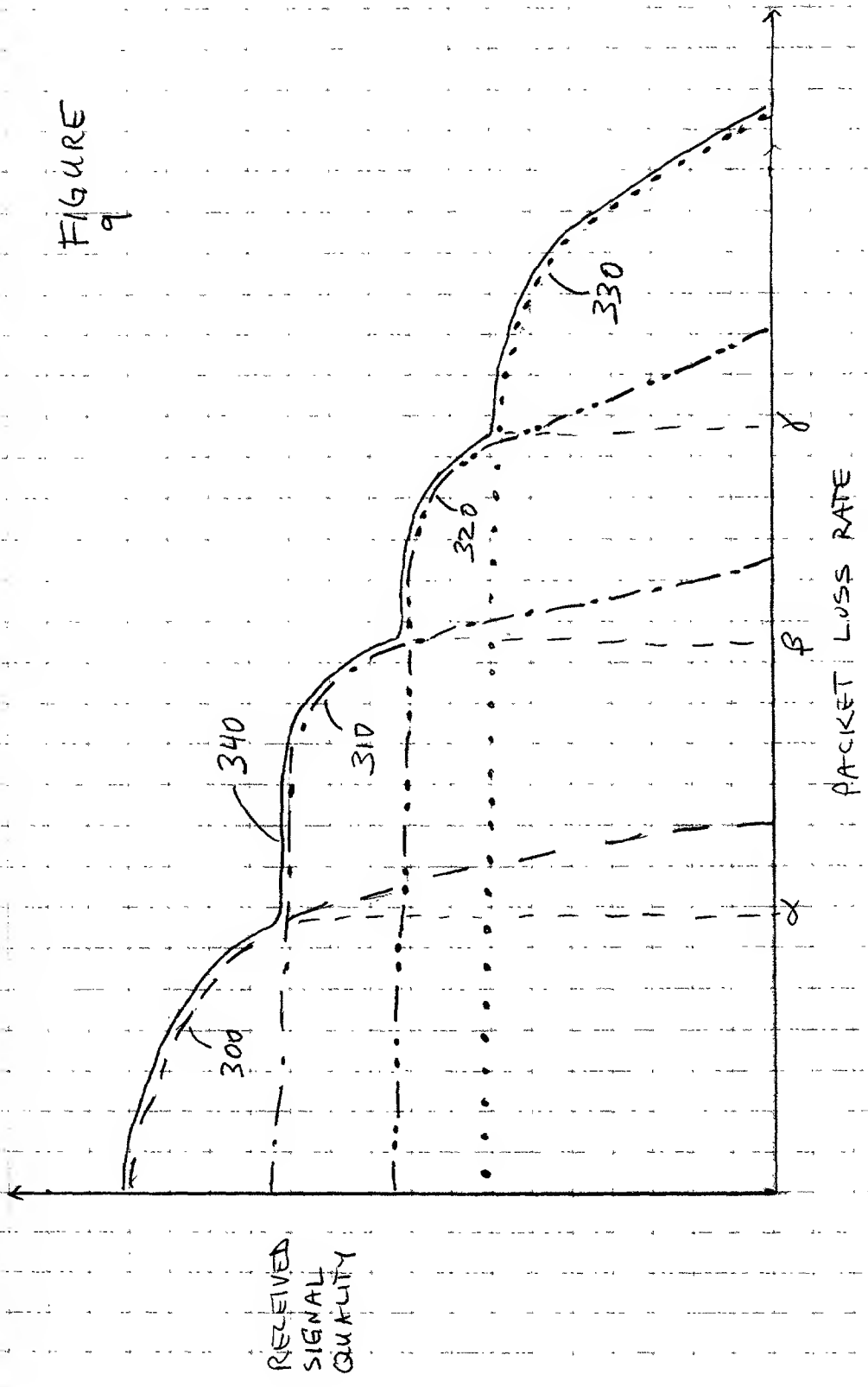
$\bar{y}[i] =$	<table border="1"><tr><td>$x[i]$</td><td>$x[i-3] \oplus x[i-4] \oplus x[i-5]$</td></tr></table>	$x[i]$	$x[i-3] \oplus x[i-4] \oplus x[i-5]$
$x[i]$	$x[i-3] \oplus x[i-4] \oplus x[i-5]$		
$\bar{y}[i+1] =$	<table border="1"><tr><td>$x[i+1]$</td><td>$x[i-2] \oplus x[i-3] \oplus x[i-4]$</td></tr></table>	$x[i+1]$	$x[i-2] \oplus x[i-3] \oplus x[i-4]$
$x[i+1]$	$x[i-2] \oplus x[i-3] \oplus x[i-4]$		
$\bar{y}[i+2] =$	<table border="1"><tr><td>$x[i+2]$</td><td>$x[i-1] \oplus x[i-2] \oplus x[i-3]$</td></tr></table>	$x[i+2]$	$x[i-1] \oplus x[i-2] \oplus x[i-3]$
$x[i+2]$	$x[i-1] \oplus x[i-2] \oplus x[i-3]$		
$\bar{y}[i+3] =$	<table border="1"><tr><td>$x[i+3]$</td><td>$x[i] \oplus x[i-1] \oplus x[i-2]$</td></tr></table>	$x[i+3]$	$x[i] \oplus x[i-1] \oplus x[i-2]$
$x[i+3]$	$x[i] \oplus x[i-1] \oplus x[i-2]$		
$\bar{y}[i+4] =$	<table border="1"><tr><td>$x[i+4]$</td><td>$x[i+1] \oplus x[i] \oplus x[i-1]$</td></tr></table>	$x[i+4]$	$x[i+1] \oplus x[i] \oplus x[i-1]$
$x[i+4]$	$x[i+1] \oplus x[i] \oplus x[i-1]$		
$\bar{y}[i+5] =$	<table border="1"><tr><td>$x[i+5]$</td><td>$x[i+2] \oplus x[i+1] \oplus x[i]$</td></tr></table>	$x[i+5]$	$x[i+2] \oplus x[i+1] \oplus x[i]$
$x[i+5]$	$x[i+2] \oplus x[i+1] \oplus x[i]$		
$\bar{y}[i+6] =$	<table border="1"><tr><td>$x[i+6]$</td><td>$x[i+3] \oplus x[i+2] \oplus x[i+1]$</td></tr></table>	$x[i+6]$	$x[i+3] \oplus x[i+2] \oplus x[i+1]$
$x[i+6]$	$x[i+3] \oplus x[i+2] \oplus x[i+1]$		
$\bar{y}[i+7] =$	<table border="1"><tr><td>$x[i+7]$</td><td>$x[i+4] \oplus x[i+3] \oplus x[i+2]$</td></tr></table>	$x[i+7]$	$x[i+4] \oplus x[i+3] \oplus x[i+2]$
$x[i+7]$	$x[i+4] \oplus x[i+3] \oplus x[i+2]$		

FIGURE 7

$$\begin{aligned}
 x[i-1] &= y_0[i-1] \\
 x[i] &= y_0[i] \\
 x[i+1] &= y_1[i+4] \oplus x[i] \oplus x[i-1] \\
 x[i+2] &= y_1[i+5] \oplus x[i+1] \oplus x[i] \\
 x[i+3] &= y_1[i+6] \oplus x[i+2] \oplus x[i+1]
 \end{aligned}$$

FIGURE 8

FIGURE 9



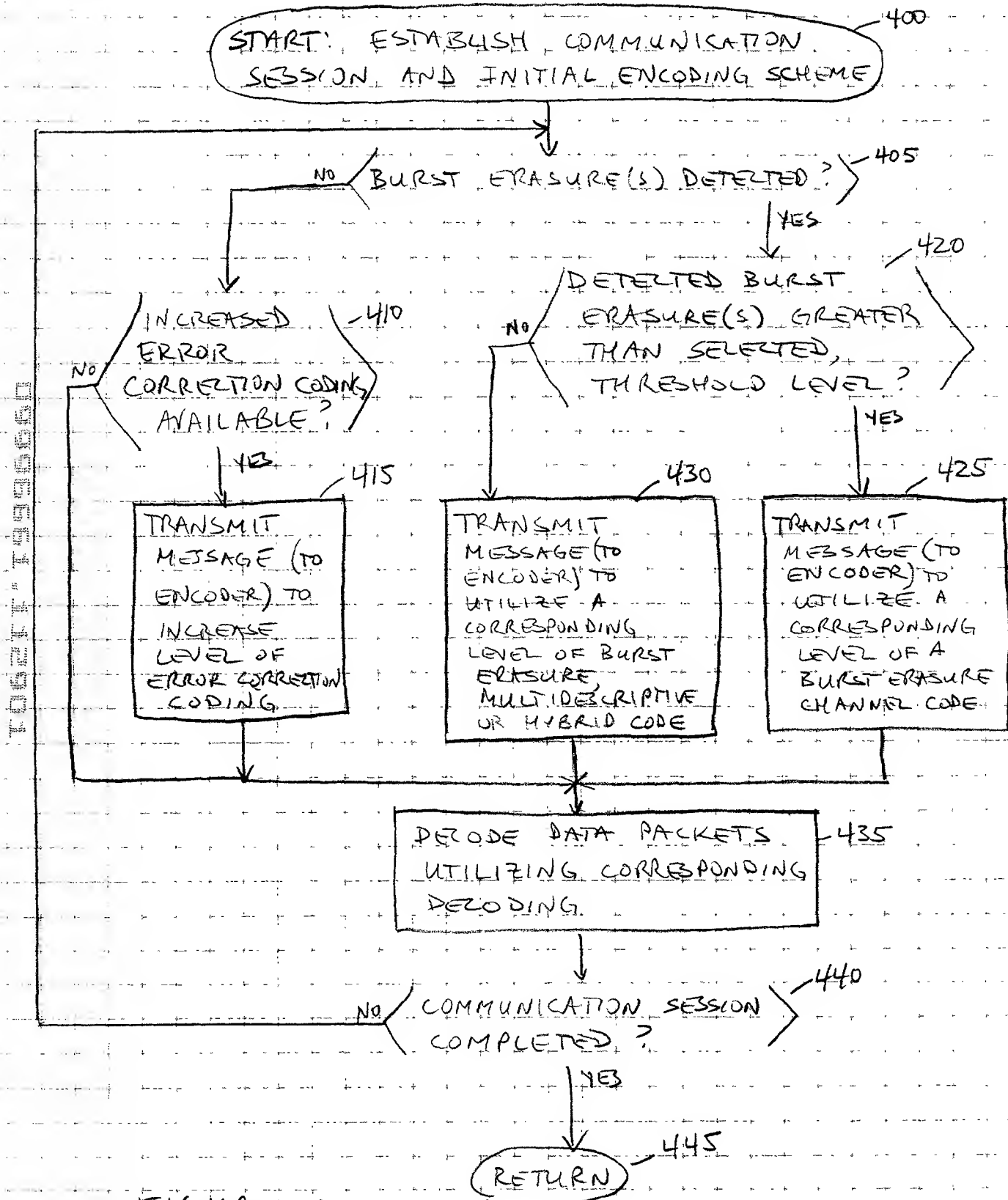


FIGURE 10